



1764

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
)
Glenn E. Land)
)
Patent Application No.: 10/086,554)
)
Filed: March 4, 2002)
)
For: POINT OF USE WATER PURIFICATION)
METHOD AND APPARATUS)

Art Unit: 1764

Examiner: Manoharan, Virginia

RESPONSE

Honorable Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

The following amendments and remarks are submitted in response to the Office Action of
August 5, 2003 in the above-identified patent application.

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AMENDMENTS

IN THE DETAILED DESCRIPTION

Please amend the specification as follows:

[0051] The boiler vessel 42 may be mounted, for example, on an upper mounting platform secured in the housing 12. The vessel includes inner and outer spaced containers 52 and 54 to form a double walled boiler vessel, and the upper ends of the containers are closed by a removable lid, or cover 56. A heating element 58 may be mounted on the cover 56 so as to extend into the inner container and below the level of water 60 when the lid is closed. When the water is heated by element 58, the resulting vapor collects in the upper part 61 of vessel 42 and is conveyed through a port 62 in the cover 56 and through a vapor tube 64 to an inlet 66 of a condenser 68 which, preferably, is supported on mounting platform 50. The vapor may pass through the optional heat exchanger 49 which may be connected inline with vapor tube 64. A fan 70 is provided cool coils 72 of the condenser 68 and the resulting purified ~~purified~~ distilled water is supplied by way of line 80 (Fig. 2) to a reservoir 82 which may be supported on a lower mounting platform 84 secured in the housing 12. The distilled water supplied to reservoir 82 may be fed through an intermediate filter 86 inserted in line 80 which may, for example, be a carbon filter provided for polishing and enhancing the taste of the purified water. The filter 86 supplies the distilled filtered water by way of line 80 to inlet 87 of reservoir 82.